

IN THE CLAIMS:

1.-7. (Cancelled)

8. (Currently Amended) An image display apparatus in which a pair of substrates are disposed opposite one another such that an internal space is formed therebetween, electrodes and at least two types of phosphor layer are provided between the substrates, and discharge gas is enclosed in the internal space,

5 the image display apparatus displaying an image by applying voltages to the electrodes so as to cause discharges to occur in the internal space, and via the phosphor material, converting ultraviolet light generated as discharges occur into visible light, comprising:

the internal space is partitioned by a plurality of barrier ribs in a stripe pattern which form a plurality of grooves, ~~each groove being closed at one end by an auxiliary barrier rib~~
10 and among the grooves, (a) grooves constituting a first space are closed at one end by auxiliary barrier ribs and connect with one another at an other end and (b) grooves constituting a second space are closed at the other end by auxiliary barrier ribs and connect with one another at the one end such that (i) the internal space is divided into [[a]] the first space provided with a first phosphor layer and [[a]] the second space provided with a second phosphor layer and (ii) ~~among the plurality of grooves, the~~ grooves constituting the first space connect with one another and the
15 grooves constituting the second space connect with one another, and

the discharge gases respectively enclosed in the first and second spaces differ from each other in at least one of composition and pressure.

9. (Cancelled)

10. (Previously Presented) The image display apparatus of Claim 8,
wherein, the first phosphor layer is of at least one color selected from red, green
and blue, and

the second phosphor layer is of at least one color other than the at least one color
5 selected for the first phosphor layer.

11. (Original) An image display apparatus manufacturing method, the method
comprising:

a gas enclosing step of enclosing discharge gas within a plurality of narrow tubes
containing phosphor material; and

5 a disposing step of disposing so as to extend across a substrate the plurality of
narrow tubes in which the discharge gas was enclosed in the enclosing step.

12. (Original) The image display apparatus manufacturing method of Claim 11,
wherein, the plurality of narrow tubes include at least one first narrow tube
containing phosphor material, and at least one second narrow tube containing phosphor material,
the phosphor materials respectively contained in the first and second narrow tubes differing from
5 each other, and

wherein, in the gas enclosing step, the discharge gases respectively enclosed in
the first and second narrow tubes differ from each other in at least one of composition and
pressure.

13. (Original) The image display apparatus manufacturing method of Claim 11,
further comprising:

a first electrode arraying step of arraying a plurality of first electrodes so as to extend in a length direction of the narrow tubes, and

5 a second electrode arraying step of arraying a plurality of second electrodes so as to extend in a direction which intersects the length direction the narrow tubes.

14. (Original) The image display apparatus manufacturing method of Claim 13, wherein, the first electrode arraying step takes place before the disposing step, and the second electrode arraying step takes place after the disposing step.

15. (Original) The image display apparatus manufacturing method of Claim 11, further comprising:

before the gas enclosing step,

5 a phosphor layer forming step of forming a phosphor layer inside each of the plurality of narrow tubes.

16. (Original) The image display apparatus manufacturing method of Claim 11, further comprising:

before the gas enclosing step,

5 an MgO layer forming step of forming a layer composed of MgO inside each of the plurality of narrow tubes.

17. (Original) The image display apparatus manufacturing method of Claim 16, wherein,

the MgO layer forming step includes:

an application sub-step of applying paste that includes MgO to an inside of each
5 of the plurality of narrow tubes; and
a firing sub-step of firing the applied paste.

18. (Original) The image display apparatus manufacturing method of Claim 16,
wherein,

the MgO forming step takes place after the phosphor layer forming step.

19. (Currently Amended) An image display apparatus manufacturing method
comprising:

an outer vessel forming step of forming an outer vessel in which pair of substrates
are disposed opposite one another such that an internal space is formed therebetween;

5 electrodes and at least two types of phosphor layer are provided between the
substrates;

discharge gas is enclosed in the internal space, the internal space is provided with
a first phosphor layer and a second space provided with a second phosphor layer, and partitioned
by a plurality of barrier ribs in a stripe pattern which form a plurality of grooves, ~~each groove~~
10 ~~being closed at one end by an auxiliary barrier rib and among the grooves, (a) grooves~~
constituting a first space are closed at one end by auxiliary barrier ribs and connect with one
another at an other end and (b) grooves constituting a second space are closed at the other end by
auxiliary barrier ribs and connect with one another at the one end such that (i) the internal space
is divided into [[a]] ~~the first space connect with one another and grooves constituting the second~~
15 ~~space connect with one another, and~~ provided with a first phosphor layer and the second space

provided with a second phosphor layer and (ii) the grooves constituting the first space connect with one another and the grooves constituting the second space connect with one another,

first and second exhaust tubes connecting to the first and second spaces respectively are provided; and

20 an exhausting-enclosing step of, via the first and second exhaust tubes respectively, exhausting the first and second spaces and enclosing discharge gas therein,

wherein, in the exhausting-enclosing step,

the discharge gases respectively enclosed in the first and second spaces differ from each other in at least one of composition and pressure.

20.-24. (Cancelled)

25. (Currently Amended) The image display ~~apparatus~~ manufacturing method of Claim [[8]] 19,

wherein, the first phosphor layer is of at least one color selected from red, green and blue, and

the second phosphor layer is of at least one color other than the at least one color selected for the first phosphor layer.

26. (New) The image display apparatus of Claim 8 wherein the image display apparatus is a plasma display television set with a plurality of pairs of discharge electrodes arranged on a facing surface of a first substrate of the pair of substrates.